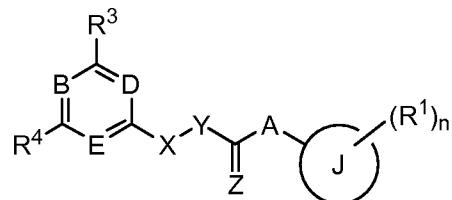


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (original) A compound according to Formula I,



I

or a pharmaceutically acceptable salt, hydrate, or prodrug thereof, wherein,

B, D, and E are each independently either =N- or =C(R²)-, provided at least one of B, D, and E is =N-;

at each occurrence, each of R¹, R², and R³ is independently selected from -H, halogen, trihalomethyl, -CN, -NO₂, -OR⁵, -N(R⁵)OR⁵, -ON(R⁵)R⁵, -N(R⁵)N(R⁵)R⁵, -N(R⁵)R⁵, -S(O)₀₋₂R⁵, -SO₂N(R⁵)R⁵, -CO₂R⁵, -C(O)N(R⁵)R⁵, -N(R⁵)SO₂R⁵, -N(R⁵)C(O)R⁵, -N(R⁵)CO₂R⁵, -C(O)R⁵, -C(=NR⁷)N(R⁵)R⁵, -C(=NR⁷)R⁵, -C(=NR⁷)OR⁵, -N(R⁵)C(=NR⁷)N(R⁵)R⁵, optionally substituted lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkynyl, optionally substituted aryl, optionally substituted heterocyclyl, optionally substituted heterocyclylalkyl, and optionally substituted arylalkyl;

n is zero to five;

R⁴ is selected from -H, halogen, -CN, -NO₂, -N(R⁵)OR⁵, -ON(R⁵)R⁵, -N(R⁵)N(R⁵)R⁵, -OR⁵, -N(R⁵)R⁵, -S(O)₀₋₂R⁵, -SO₂N(R⁵)R⁵, -CO₂R⁵, -C(O)N(R⁵)R⁵, -N(R⁵)SO₂R⁵, -N(R⁵)C(O)R⁵, -N(R⁵)CO₂R⁵, -C(O)R⁵, -C(=NR⁷)N(R⁵)R⁵, -C(=NR⁷)R⁵, -C(=NR⁷)OR⁵, -N(R⁵)C(=NR⁷)N(R⁵)R⁵, optionally substituted lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkynyl, optionally substituted heterocyclyl, optionally substituted heterocyclylalkyl, and optionally substituted arylalkyl;

R^2 and R^3 , together with the atom or atoms to which they are attached, can combine to form a three- to seven-membered optionally substituted heterocyclyl, optionally substituted aryl, or optionally substituted cycloalkyl;

R^2 and R^4 , together with the atom or atoms to which they are attached, can combine to form a three- to seven-membered optionally substituted heterocyclyl, optionally substituted aryl, or optionally substituted cycloalkyl;

each R^5 is independently selected from -H, optionally substituted lower alkyl, optionally substituted aryl, optionally substituted lower arylalkyl, optionally substituted heterocyclyl, optionally substituted lower heterocyclalkyl, and a single bond to an atom of R^1 ;

two of R^5 , together with the atom or respective atoms to which they are attached, can combine to form an optionally substituted three- to seven-membered heterocyclic;

R^5 and R^6 , together with the atom or atoms to which they are attached, can combine to form a five- to seven-membered optionally substituted heterocyclyl;

R^5 and R^7 , together with the atom or atoms to which they are attached, can combine to form a five- to seven-membered optionally substituted heterocyclyl;

each of X and Y is independently selected from $-C(=O)-$, $-C(R^6)R^6-$, $-O-$, $-N(R^5)-$, $-C(=NR^7)-$, and $-S(O)_{0-2}-$; provided when X is $-O-$ or $-N(R^5)-$, then Y cannot be $-C(H)R^{6a}-$, where R^{6a} is $-C(R^{20})(R^{21})R^{22}$ wherein at least one of R^{20} , R^{21} and R^{22} is selected from phenyl, naphthyl, cyclohexyl, dihydronaphthyl tetrahydronaphthyl, and a five- to six-membered heteroaryl, each optionally substituted;

or X and Y can combine to form either $-C(R^6)=C(R^6)-$ or $-C\equiv C-$;

Z is selected from O, S, and a double bond to an atom of R^1 ;

A is either $-N(R^5)-$ or a single bond;

each R^6 is independently selected from -H, halogen, trihalomethyl, -CN, $-NO_2$, $-NH_2$, $-OR^5$, $-N(R^5)R^5$, $-S(O)_{0-2}R^5$, $-SO_2N(R^5)R^5$, $-CO_2R^5$, $-C(O)N(R^5)R^5$, $-N(R^5)SO_2R^5$, $-N(R^5)C(O)R^5$, $-N(R^5)CO_2R^5$, $-C(O)R^5$, optionally substituted lower alkyl, optionally substituted aryl, optionally substituted heterocyclyl, optionally substituted

heterocyclalkyl, optionally substituted arylalkyl, and a single bond to an atom of R² of D or E when said either D or E is =C(R²)-;

two of R⁶, together with the atom or atoms to which they are attached, can combine to form one of an optionally substituted three to seven-membered alicyclic, an optionally substituted three to seven-membered heteroalicyclic, and a double bond to an atom of R² of D or E when said either D or E is =C(R²)-;

each R⁷ is independently selected from -H, -CN, -NO₂, -N(R⁵)R⁵, -OR⁵, -S(O)₀₋₂R⁵, -SO₂N(R⁵)R⁵, -CO₂R⁵, optionally substituted lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkynyl, and a single bond to a carbon of J; and

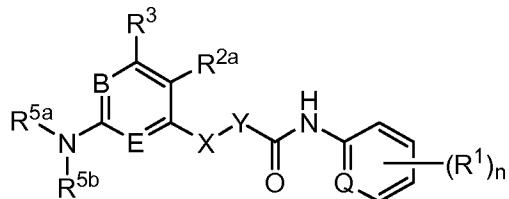
J is selected from an optionally substituted five- to ten-membered aryl and an optionally substituted five- to ten-membered heteroaryl;

provided the compound is not one of: 2-(2-amino-5-cyano-6-methylsulfanyl-pyrimidin-4-ylsulfanyl)-N-(3-trifluoromethyl-phenyl)-acetamide, 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-[3-(butyloxy)phenyl]acetamide, 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-1,3-benzothiazol-2-ylacetamide, 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-(5-ethyl-1,3,4-thiadiazol-2-yl)acetamide, 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-(4-methyl-1,3-thiazol-2-yl)acetamide, 2-amino-4-{[2-(3,5-dimethyl-1H-pyrazol-1-yl)-2-oxoethyl]thio}-6-(methylthio)pyrimidine-5-carbonitrile, 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-1,3-thiazol-2-ylacetamide, 2-(5-cyano-2-methylsulfanyl-pyrimidin-4-ylsulfanyl)-N-phenyl-acetamide, 5-amino-2-methylsulfanyl-thieno[2,3-d]pyrimidine-6-carboxylic acid phenylamide, 2-(6-amino-5-cyano-2-methylsulfanyl-pyrimidin-4-ylsulfanyl)-N-phenyl-acetamide, 4,5-diamino-2-(2-methoxy-ethoxy)-thieno[2,3-d]pyrimidine-6-carboxylic acid phenylamide, 2-(5-cyano-6-phenyl-2-phenylcarbamoylmethylsulfanyl-pyrimidin-4-ylsulfanyl)-N-phenyl-acetamide, and a 2-(6-amino-3,5-dicyano-pyridin-2-ylsulfanyl)-N-phenyl-acetamide derivative.

2. (original) The compound according to claim 1, wherein J is either a six-membered aryl or a five- to six-membered heteroaryl.

3. (original) The compound according to claim 2, wherein D is =C(R²)-.

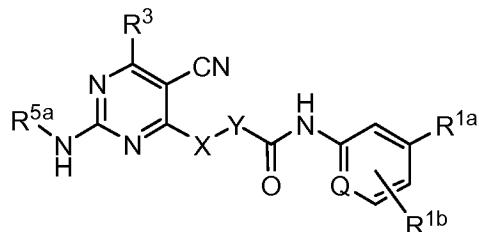
4. (original) The compound according to claim 3, wherein R⁴ is -N(R⁵)R⁵.
5. (original) The compound according to claim 4, of Formula **II**,



II

wherein, R¹, R², R³, R⁵, n, B, E, X, and Y are as defined above; and Q is either =N- or =C(H)-.

6. (original) The compound according to claim 5, wherein R^{2a} is selected from halogen, -CN, -C(=O)N(R⁵)R⁵, -CF₃, -CO₂R⁵, -C(R⁵)=C(R⁵)R⁵, -C≡C-R⁵, and -NO₂;
7. (original) The compound according to claim 6, wherein at least one of R^{5a} and R^{5b} is -H.
8. (original) The compound according to claim 7, wherein R³ is selected from -OR⁵, -NR⁵R⁵, and -S(O)₀₋₂R⁵.
9. (original) The compound according to claim 8, wherein at least one of B and E is =N-.
10. (original) The compound according to claim 9, wherein R¹ is selected from halogen, -OR⁵, -NR⁵R⁵, -S(O)₀₋₂R⁵, -NO₂, perhaloalkyl, optionally substituted lower alkyl, optionally substituted aryl, and optionally substituted arylalkyl.
11. (original) The compound according to claim 10, wherein R¹ is selected from halogen, -OR⁵, -NR⁵R⁵, -S(O)₀₋₁R⁵, -NO₂, perhaloalkyl, and optionally substituted lower alkyl.
12. (original) The compound according to claim 11, wherein A is -N(R⁵)-.
13. (original) The compound according to claim 12, of Formula **III**,



III

wherein, R³, R⁵, X, Y, and Q are as defined above; R^{1a} is selected from halogen, lower perfluoroalkyl, -NO₂, -OR⁵, and optionally substituted C₁₋₄alkyl; and R^{1b} is selected from halogen, -OR⁵, -N(R⁵)R⁵, -SR⁵, perfluoroalkyl, and optionally substituted lower alkyl.

14. (original) The compound according to claim 13, wherein R^{1a} is selected from -NO₂, halogen, perfluoroalkyl, haloalkyl, optionally substituted C₁₋₂alkyl, and optionally substituted -O-C₁₋₂alkyl.

15. (original) The compound according to claim 14, wherein R³ is selected from optionally substituted -O-C₁₋₄alkyl, -O-C₁₋₄perfluoroalkyl, optionally substituted -N(H)C₁₋₄alkyl, optionally substituted -N(C₁₋₄alkyl)C₁₋₄alkyl, optionally substituted -S(O)₀₋₂-C₁₋₄alkyl, and optionally substituted -S(O)₀₋₂-C₁₋₄perfluoroalkyl.

16. (original) The compound according to claim 15, wherein Y is either -N(H)- or -C(R⁶)R⁶-.

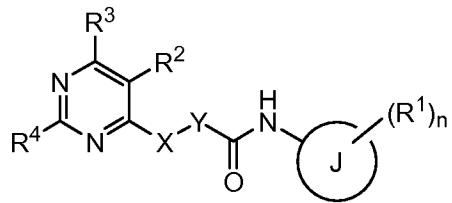
17. (original) The compound according to claim 16, wherein X is selected from -O-, -N(R⁵)- and -S-.

18. (original) The compound according to claim 17, wherein Y is -C(R⁶)R⁶-; wherein each R⁶ is independently selected from -H, halogen, trihalomethyl, -NH₂, optionally substituted -O-C₁₋₄alkyl, optionally substituted -N(H)C₁₋₄alkyl, optionally substituted -S-C₁₋₄alkyl, optionally substituted lower alkyl, optionally substituted heterocyclyl, and optionally substituted heterocyclylalkyl.

19. (original) The compound according to claim 18, wherein Y is -C(H)R⁶-; wherein R⁶ is independently selected from -H, halogen, trihalomethyl, -NH₂, optionally substituted -O-C₁₋₄alkyl, optionally substituted -N(H)C₁₋₄alkyl, optionally substituted -S-C₁₋₄alkyl, optionally substituted lower alkyl, optionally substituted heterocyclyl, and optionally substituted heterocyclylalkyl.

20. (original) The compound according to claim 19, wherein Q is =C(H)-.

21. (original) A compound according to Formula **IV**,



IV

or a pharmaceutically acceptable salt, hydrate, or prodrug thereof, wherein,

R^1 is selected from halogen, $-OR^5$, $-N(R^5)R^5$, $-S(O)_{0-2}R^5$, $-NO_2$, $-C(O)R^5$, perhaloalkyl, optionally substituted lower alkyl, optionally substituted aryl, and optionally substituted arylalkyl.

n is zero to five;

R^2 is selected from halogen, $-CN$, $-C(=O)N(R^5)R^5$, $-CF_3$, $-CO_2R^5$, $-C(R^5)=C(R^5)R^5$, $-C\equiv C-R^5$, and $-NO_2$;

R^3 is selected from $-H$, halogen, trihalomethyl, $-CN$, $-NO_2$, $-OR^5$, $-N(R^5)OR^5$, $-ON(R^5)R^5$, $-N(R^5)N(R^5)R^5$, $-N(R^5)R^5$, $-S(O)_{0-2}R^5$, $-SO_2N(R^5)R^5$, $-CO_2R^5$, $-C(O)N(R^5)R^5$, $-N(R^5)SO_2R^5$, $-N(R^5)C(O)R^5$, $-N(R^5)CO_2R^5$, $-C(O)R^5$, $-C(=NR^7)N(R^5)R^5$, $-C(=NR^7)R^5$, $-C(=NR^7)OR^5$, $-N(R^5)C(=NR^7)N(R^5)R^5$, optionally substituted lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkynyl, optionally substituted aryl, optionally substituted heterocyclyl, optionally substituted heterocyclylalkyl, and optionally substituted arylalkyl;

R^4 is selected from $-CN$, halogen, $-NO_2$, $-N(R^5)OR^5$, $-ON(R^5)R^5$, $-N(R^5)N(R^5)R^5$, $-OR^5$, $-N(R^5)R^5$, $-SO_2N(R^5)R^5$, $-C(O)N(R^5)R^5$, $-C(=NR^7)N(R^5)R^5$, $-C(=NR^7)R^5$, $-C(=NR^7)OR^5$, $-N(R^5)C(=NR^7)N(R^5)R^5$, optionally substituted lower alkyl, optionally substituted heterocyclyl, and optionally substituted heterocyclylalkyl;

each R^5 is independently selected from $-H$, optionally substituted lower alkyl, optionally substituted aryl, optionally substituted lower arylalkyl, optionally substituted heterocyclyl, and optionally substituted lower heterocyclylalkyl;

two of R^5 , together with the atom or respective atoms to which they are attached, can combine to form an optionally substituted three- to seven-membered heterocyclic;

R^5 and R^6 , together with the atom or atoms to which they are attached, can combine to form a five- to seven-membered optionally substituted heterocyclyl;

R^5 and R^7 , together with the atom or atoms to which they are attached, can combine to form a five- to seven-membered optionally substituted heterocyclyl;

each of X and Y is independently selected from $-C(=O)-$, $-C(R^6)R^6-$, $-O-$, $-N(R^5)-$, $-C(=NR^7)-$, and $-S(O)_{0-2}-$; provided when X is $-O-$ or $-N(R^5)-$, then Y cannot be $-C(H)R^{6a}-$, where R^{6a} is $-C(R^{20})(R^{21})R^{22}$ wherein at least one of R^{20} , R^{21} and R^{22} is selected from phenyl, naphthyl, cyclohexyl, dihydronaphthyl tetrahydronaphthyl, and a five- to six-membered heteroaryl, each optionally substituted;

or X and Y can combine to form either $-C(R^6)=C(R^6)-$ or $-C\equiv C-$;

each R^6 is independently selected from -H, halogen, trihalomethyl, -CN, $-NO_2$, $-NH_2$, $-OR^5$, $-N(R^5)R^5$, $-S(O)_{0-2}R^5$, $-SO_2N(R^5)R^5$, $-CO_2R^5$, $-C(O)N(R^5)R^5$, $-N(R^5)SO_2R^5$, $-N(R^5)C(O)R^5$, $-N(R^5)CO_2R^5$, $-C(O)R^5$, optionally substituted lower alkyl, optionally substituted aryl, optionally substituted heterocyclyl, optionally substituted heterocyclylalkyl, optionally substituted arylalkyl, and a single bond to an atom of R^1 ;

two of R^6 , together with the atom or atoms to which they are attached, can combine to form either an optionally substituted three to seven-membered alicyclic or an optionally substituted three to seven-membered heteroalicyclic;

each R^7 is independently selected from -H, -CN, $-NO_2$, $-N(R^5)R^5$, $-OR^5$, $-S(O)_{0-2}R^5$, $-SO_2N(R^5)R^5$, $-CO_2R^5$, optionally substituted lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkynyl, and a single bond to a carbon of J; and

J is selected from an optionally substituted five- to ten-membered aryl and an optionally substituted five- to ten-membered heteroaryl;

provided the compound is not one of: 2-(2-amino-5-cyano-6-methylsulfanyl-pyrimidin-4-ylsulfanyl)-N-(3-trifluoromethyl-phenyl)-acetamide, 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-[3-(butyloxy)phenyl]acetamide, 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-1,3-benzothiazol-2-ylacetamide, 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-(5-ethyl-1,3,4-thiadiazol-2-yl)acetamide, 2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-(4-methyl-1,3-thiazol-2-

yl)acetamide, 2-amino-4- {[2-(3,5-dimethyl-1H-pyrazol-1-yl)-2-oxoethyl]thio}-6-(methylthio)pyrimidine-5-carbonitrile, 2- {[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-1,3-thiazol-2-ylacetamide, 2-(5-cyano-2-methylsulfanyl-pyrimidin-4-ylsulfanyl)-N-phenyl-acetamide, 5-amino-2-methylsulfanyl-thieno[2,3-d]pyrimidine-6-carboxylic acid phenylamide, 2-(6-amino-5-cyano-2-methylsulfanyl-pyrimidin-4-ylsulfanyl)-N-phenyl-acetamide, 4,5-diamino-2-(2-methoxy-ethoxy)-thieno[2,3-d]pyrimidine-6-carboxylic acid phenylamide, 2-(5-cyano-6-phenyl-2-phenylcarbamoylmethylsulfanyl-pyrimidin-4-ylsulfanyl)-N-phenyl-acetamide, and a 2-(6-amino-3,5-dicyano-pyridin-2-ylsulfanyl)-N-phenyl-acetamide derivative.

22. (original) The compound according to claim 21, wherein R^4 is $-NR^{5a}R^{5b}$; wherein at least one of R^{5a} and R^{5b} is -H.

23. (original) The compound according to claim 22, wherein X is selected from -O-, $-N(R^5)$ -, and $-S(O)_{0-2-}$.

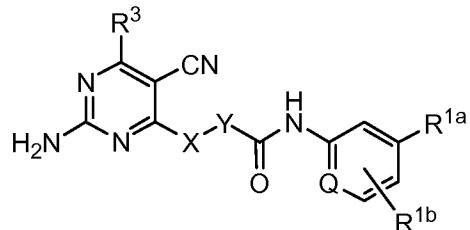
24. (original) The compound according to claim 23, wherein Y is either $-C(R^6)R^6$ - or $-N(R^5)$ -.

25. (original) The compound according to claim 24, wherein J is either phenyl or pyridyl.

26. (original) The compound according to claim 25, wherein R^4 is $-NH_2$.

27. (original) The compound according to claim 26, wherein at least one of R^1 is selected from halo, $-NO_2$, $-OR^5$, perfluoroalkyl, haloalkyl, and optionally substituted C_{1-4} alkyl.

28. (original) The compound according to claim 27, of Formula V,



V

wherein R^1 , R^3 , X, and Y are as defined above; and Q is either =N- or =C(H)-.

29. (original) The compound according to claim 28, wherein R^{1a} is selected from halo, lower perfluoroalkyl, -NO₂, optionally substituted -O-C₁₋₄alkyl, and optionally substituted C₁₋₄alkyl.

30. (original) The compound according to claim 29, wherein R³ is selected from optionally substituted -O-C₁₋₄alkyl, -O-C₁₋₄perfluoroalkyl, optionally substituted -N(H)C₁₋₄alkyl, optionally substituted -N(C₁₋₄alkyl)C₁₋₄alkyl, optionally substituted -S(O)₀₋₂-C₁₋₄alkyl, and optionally substituted -S(O)₀₋₂-C₁₋₄perfluoroalkyl.

31. (original) The compound according to claim 30, wherein Y is -C(R⁶)R⁶-; wherein each R⁶ is independently selected from -H, halogen, trihalomethyl, -NH₂, optionally substituted -O-C₁₋₄alkyl, optionally substituted -N(H)C₁₋₄alkyl, optionally substituted -S-C₁₋₄alkyl, optionally substituted lower alkyl, optionally substituted heterocyclyl, and optionally substituted heterocyclylalkyl.

32. (original) The compound according to claim 31, wherein Y is -C(H)R⁶-; wherein R⁶ is independently selected from -H, halogen, trihalomethyl, -NH₂, optionally substituted -O-C₁₋₄alkyl, optionally substituted -N(H)C₁₋₄alkyl, optionally substituted -S-C₁₋₄alkyl, optionally substituted lower alkyl, optionally substituted heterocyclyl, and optionally substituted heterocyclylalkyl.

33. (original) The compound according to claim 32, wherein Q is =C(H)-.

34. (currently amended) The compound according to claim 1, selected from Table 3.

Table 3

Entry	Name	Structure
1	2-[(3-cyano-4,6-dimethyl-5-nitropyridin-2-yl)oxy]-N-[3-(trifluoromethyl)phenyl]acetamide	
2	<u>N²-(2-amino-6-chloropyrimidin-4-yl)-</u> <u>N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N-2-(2-amino-6-chloropyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]glycinamide</u>	

Table 3

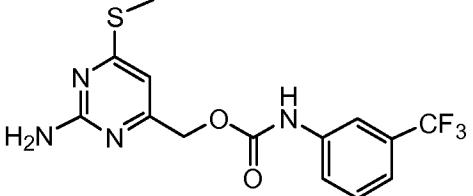
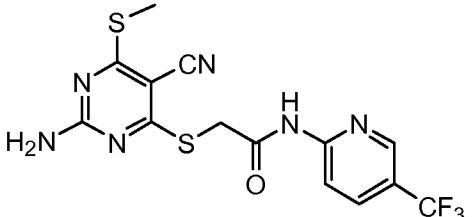
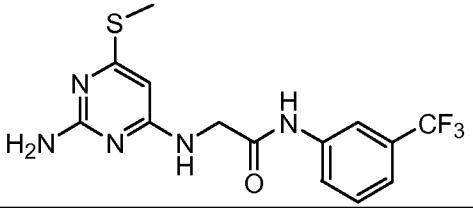
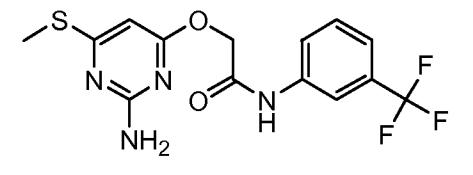
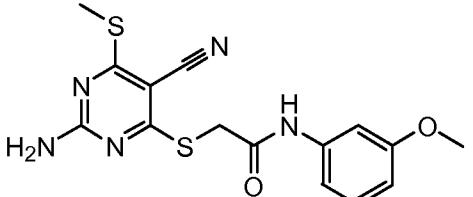
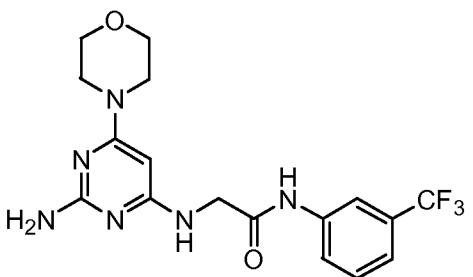
Entry	Name	Structure
3	[2-amino-6-(methylthio)pyrimidin-4-yl]methyl [3-(trifluoromethyl)phenyl]carbamate	
4	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-[5-(trifluoromethyl)pyridin-2-yl]acetamide	
5	<u>N²-[2-amino-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N-2-[2-amino-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u>	
6	2-{[2-amino-6-(methylthio)pyrimidin-4-yl]oxy}-N-[3-(trifluoromethyl)phenyl]acetamide	
7	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-[3-(methyloxy)phenyl]acetamide	
8	<u>N²-(2-amino-6-morpholin-4-yl)pyrimidin-4-yl-N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N-2-(2-amino-6-morpholin-4-yl)-N-[3-(trifluoromethyl)phenyl]glycinamide</u>	

Table 3

Entry	Name	Structure
9	2-{{2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-(4-chlorophenyl)acetamide	
10	2-{{2-amino-6-(1H-1,2,3-benzotriazol-1-yloxy)pyrimidin-4-yl]thio}-N-[3-(trifluoromethyl)phenyl]acetamide	
11	2-{{2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-(3-chlorophenyl)acetamide	
12	<u>N²-(2-amino-6-chloro-5-formylpyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N-2-(2-amino-6-chloro-5-formylpyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]glycinamide</u>	
13	<u>N²-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N-2-[2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u>	
14	2-{{2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}-N-[3-(trifluoromethyl)phenyl]acetamide	
15	2-[(2-amino-6-chloropyrimidin-4-yl)thio]-N-[3-(trifluoromethyl)phenyl]acetamide	

Table 3

Entry	Name	Structure
16	2-{{2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl}thio}-N-methyl-N-[3-(trifluoromethyl)phenyl]acetamide	
17	<u>N²-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N-2-[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u>	
18	<u>N²-[4-(dimethylamino)-6-(methylthio)-1,3,5-triazin-2-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N-2-[4-(dimethylamino)-6-(methylthio)-1,3,5-triazin-2-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u>	
19	<u>N²-[4-(methylamino)-6-(methylthio)-1,3,5-triazin-2-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N-2-[4-(methylamino)-6-(methylthio)-1,3,5-triazin-2-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u>	
20	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u>	
21	<u>2-{{2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl}thio}-N-[3-(trifluoromethyl)phenyl]acetamide</u> <u>2-{{2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl}thio}-N-[3-(trifluoromethyl)phenyl]acetamide</u>	
22	<u>2-{{2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl}thio}-N-[3-(butyloxy)phenyl]acetamide</u> <u>2-{{2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl}thio}-N-[3-(butyloxy)phenyl]acetamide</u>	

Table 3

Entry	Name	Structure
23	<u>2-{{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-1,3-benzothiazol-2-ylacetamide</u> <u>'2-{{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-1,3-benzothiazol-2-ylacetamide</u>	
24	<u>2-{{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-(5-ethyl-1,3,4-thiadiazol-2-yl)acetamide</u> <u>'2-{{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-(5-ethyl-1,3,4-thiadiazol-2-yl)acetamide</u>	
25	<u>2-{{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-(4-methyl-1,3-thiazol-2-yl)acetamide</u> <u>'2-{{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-(4-methyl-1,3-thiazol-2-yl)acetamide</u>	
26	<u>2-amino-4-{{[2-(3,5-dimethyl-1H-pyrazol-1-yl)-2-oxoethyl]thio}-6-(methylthio)pyrimidine-5-carbonitrile</u> <u>'2-amino-4-{{[2-(3,5-dimethyl-1H-pyrazol-1-yl)-2-oxoethyl]thio}-6-(methylthio)pyrimidine-5-carbonitrile</u>	
27	<u>2-{{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-1,3-thiazol-2-ylacetamide</u> <u>'2-{{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-1,3-thiazol-2-ylacetamide</u>	
28	ethyl 5-[({{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}acetyl)amino]-4-cyano-3-methylthiophene-2-carboxylate	

Table 3

Entry	Name	Structure
29	2-{{2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-pyridin-2-ylacetamide	
30	2-amino-4-({2-[2,5-bis(methoxy)phenyl]-2-oxoethyl}thio)-6-(methylthio)pyrimidine-5-carbonitrile	
31	2-{{2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-[4-fluoro-3-(trifluoromethyl)phenyl]acetamide	
32	2-[(2,6-diaminopyrimidin-4-yl)thio]-N-[4-fluoro-3-(trifluoromethyl)phenyl]acetamide	
33	2-[(2,6-diaminopyrimidin-4-yl)thio]-N-[3-(trifluoromethyl)phenyl]acetamide	
34	2-{{2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-[4-chloro-3-(trifluoromethyl)phenyl]acetamide	

Table 3

Entry	Name	Structure
35	2-amino-4-(methylthio)-6-({2-oxo-1-[3-(trifluoromethyl)phenyl]pyrrolidin-3-yl}thio)pyrimidine-5-carbonitrile	
36	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-[6-(trifluoromethyl)pyridin-2-yl]acetamide	
37	2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-[4-(trifluoromethyl)pyridin-2-yl]acetamide	
38	{6-(methylthio)-2-[(phenylmethyl)amino]pyrimidin-4-yl}methyl [3-(trifluoromethyl)phenyl]carbamate	
39	[6-(methylamino)-2-(methylthio)pyrimidin-4-yl]methyl [3-(trifluoromethyl)phenyl]carbamate	
40	{2-(methylthio)-6-[(phenylmethyl)amino]pyrimidin-4-yl}methyl [3-(trifluoromethyl)phenyl]carbamate	

Table 3

Entry	Name	Structure
41	2-{{2-(acetylamino)-5-cyano-6-(methylthio)pyrimidin-4-yl}thio}-N-[3-(trifluoromethyl)phenyl]acetamide	
42	(2S)-2-{{2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl}oxy}-N-[3-(trifluoromethyl)phenyl]propanamide	
43	2-[(2-amino-6-chloro-5-formylpyrimidin-4-yl)thio]-N-[3-(trifluoromethyl)phenyl]acetamide	
44	N-2-[2-amino-5-(hydroxymethyl)-6-(methylthio)pyrimidin-4-yl] N-[3-(trifluoromethyl)phenyl]glycinamide	
45	2-{{2-amino-5-formyl-6-(methylamino)pyrimidin-4-yl}thio}-N-[3-(trifluoromethyl)phenyl]acetamide	
46	2-{{2-amino-5-formyl-6-(methylthio)pyrimidin-4-yl}oxy}-N-[3-(trifluoromethyl)phenyl]acetamide	
47	2-{{[4-amino-6-(methylthio)-1,3,5-triazin-2-yl]oxy}-N-[3-(trifluoromethyl)phenyl]acetamide	

Table 3

Entry	Name	Structure
48	2-{{2-amino-6-(methylthio)pyrimidin-4-yl}thio}-N-[3-(trifluoromethyl)phenyl]acetamide	
49	2-amino-4-(methylthio)-6-{{2-oxo-2-(3-oxo-3,4-dihydro-2H-1,4-benzoxazin-6-yl)ethyl}thio}pyrimidine-5-carbonitrile	
50	2-[(2-amino-6-chloro-5-formylpyrimidin-4-yl)oxy]-N-[3-(trifluoromethyl)phenyl]acetamide	
51	2-{{2-amino-5-formyl-6-(phenylthio)pyrimidin-4-yl}thio}-N-[3-(trifluoromethyl)phenyl]acetamide	
52	2-{{2-amino-5-(hydroxymethyl)-6-(phenylthio)pyrimidin-4-yl}thio}-N-[3-(trifluoromethyl)phenyl]acetamide	
53	2-{{2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl}thio}-N-[2-methyl-3-(trifluoromethyl)phenyl]acetamide	
54	2-{{2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl}thio}-N-[2-(methoxy)-5-(trifluoromethyl)phenyl]acetamide	

Table 3

Entry	Name	Structure
55	2-{{2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]thio}-N-[2-chloro-5-(trifluoromethyl)phenyl]acetamide}	
56	2-{{2-amino-5-(hydroxymethyl)-6-(methylthio)pyrimidin-4-yl]oxy}-N-[3-(trifluoromethyl)phenyl]acetamide}	
57	<u>N²-(6-amino-1H-pyrazolo[3,4-d]pyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N-2-(6-amino-1H-pyrazolo[3,4-d]pyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]glycinamide</u>	
58	<u>N²-[2-amino-5-[(E)-hydrazonomethyl]-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N-2-[2-amino-5-[(E)-hydrazonomethyl]-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u>	
59	<u>N²-[2-amino-5-[(E)-(hydroxyimino)methyl]-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N-2-[2-amino-5-[(E)-(hydroxyimino)methyl]-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u>	
60	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> <u>N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u>	

Table 3

Entry	Name	Structure
61	2-{{2-amino-5-cyano-6-(methylamino)pyrimidin-4-yl}thio}-N-[3-(trifluoromethyl)phenyl]acetamide	
62	2-{{2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl}thio}-N-[2-amino-5-(trifluoromethyl)phenyl]acetamide	
63	2-amino-4-(methylthio)-6-({[6-(trifluoromethyl)-1H-benzimidazol-2-yl]methyl}thio)pyrimidine-5-carbonitrile	
64	2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]hydrazinecarboxamide	
65	<u>N²-[5-cyano-2-(methylamino)-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N-2-[5-cyano-2-(methylamino)-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u>	
66	2-{{2-amino-5-cyano-6-(dimethylamino)pyrimidin-4-yl}thio}-N-[3-(trifluoromethyl)phenyl]acetamide	
67	(S)-1-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]prolinamide	

Table 3

Entry	Name	Structure
68	(2R)-2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}-N-[3-(trifluoromethyl)phenyl]propanamide	
69	1-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}-N-[3-(trifluoromethyl)phenyl]cyclopropane carboxamide	
70	(2S)-2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]oxy}-3-methyl-N-[3-(trifluoromethyl)phenyl]butanamide	
71	<u>N²-[5-cyano-2-(dimethylamino)-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N-2-[5-cyano-2-(dimethylamino)-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u>	
72	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N²-methyl-N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-2-methyl-N-[3-(trifluoromethyl)phenyl]glycinamide</u>	
73	1-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]amino}-N-[3-(trifluoromethyl)phenyl]cyclopropane carboxamide	

Table 3

Entry	Name	Structure
74	<u>N²-[2-amino-5-cyano-6-(methylsulfinyl)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> <u>N 2 [2 amino 5 cyano 6-(methylsulfinyl)pyrimidin 4 yl] N [3-(trifluoromethyl)phenyl] L alaninamide</u>	
75	<u>N²-[2-amino-5-cyano-6-(methylsulfonyl)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> <u>N 2 [2 amino 5 cyano 6-(methylsulfonyl)pyrimidin 4 yl] N [3-(trifluoromethyl)phenyl] L alaninamide</u>	
76	<u>N²-(5-cyano-2-morpholin-4-ylpyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N 2 (5 cyano 2 morpholin 4 ylpyrimidin 4 yl) N [3-(trifluoromethyl)phenyl]glycinamide</u>	
77	2-{{2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl}thio}-N-[3,5-bis(trifluoromethyl)phenyl]acetamide	
78	<u>N²-[2-amino-5-cyano-6-(methoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> <u>N 2 [2 amino 5 cyano 6-(methoxy)pyrimidin 4 yl] N [3-(trifluoromethyl)phenyl] L alaninamide</u>	

Table 3

Entry	Name	Structure
79	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[2-(methoxy)-5-(trifluoromethyl)phenyl]-L-alaninamide</u> N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[2-(methoxy)-5-(trifluoromethyl)phenyl]-L-alaninamide	
80	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[2-chloro-5-(trifluoromethyl)phenyl]-L-alaninamide</u> N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[2-chloro-5-(trifluoromethyl)phenyl]-L-alaninamide	
81	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-2-methyl-N-[3-(trifluoromethyl)phenyl]alaninamide</u> N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-2-methyl-N-[3-(trifluoromethyl)phenyl]alaninamide	
82	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-[(4-methylpiperazin-1-yl)carbonyl]phenyl]-L-alaninamide</u> N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-[(4-methylpiperazin-1-yl)carbonyl]phenyl]-L-alaninamide	
83	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-D-alaninamide</u> N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-D-alaninamide	

Table 3

Entry	Name	Structure
84	2-[(2-amino-5-cyano-6-morpholin-4-ylpyrimidin-4-yl)thio]-N-[3-(trifluoromethyl)phenyl]acetamide	
85	(R)-1-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]prolinamide	
86	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide</u> <u>N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide</u>	
87	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N²-[2-(dimethylamino)ethyl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-2-[2-(dimethylamino)ethyl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u>	
88	<u>N²-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> <u>N-2-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u>	
89	<u>N²-(2,6-diamino-5-cyanopyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> <u>N-2-(2,6-diamino-5-cyanopyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u>	

Table 3

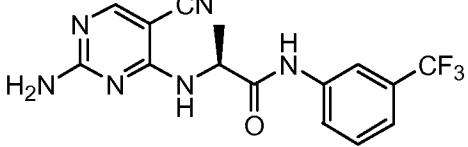
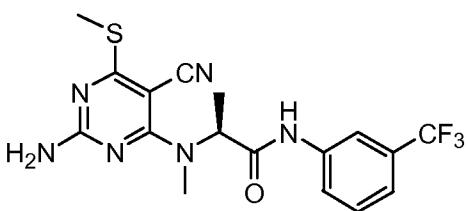
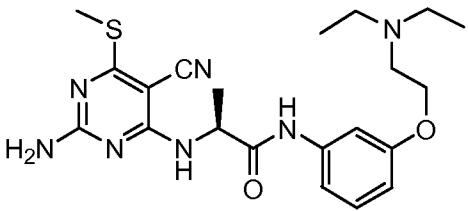
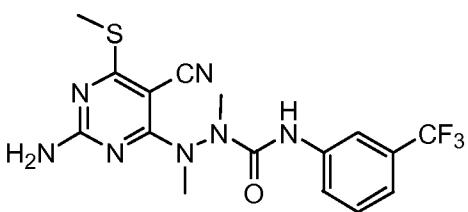
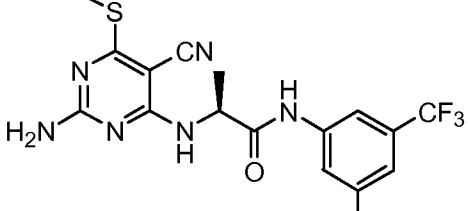
Entry	Name	Structure
90	<u>N²-(2-amino-5-cyanopyrimidin-4-yl)-</u> <u>N-[3-(trifluoromethyl)phenyl]-L-</u> <u>alaninamide</u> <u>N-2-[2-amino-5-cyanopyrimidin-4-</u> <u>yl]-N-[3-(trifluoromethyl)phenyl]-L-</u> <u>alaninamide</u>	
91	<u>N²-[2-amino-5-cyano-6-</u> <u>(methylthio)pyrimidin-4-yl]-N-2-</u> <u>methyl-N-[3-</u> <u>(trifluoromethyl)phenyl]-L-</u> <u>alaninamide</u> <u>N-2-[2-amino-5-cyano-6-</u> <u>(methylthio)pyrimidin-4-yl]-N-2-</u> <u>methyl-N-[3-</u> <u>(trifluoromethyl)phenyl]-L-</u> <u>alaninamide</u>	
92	<u>N²-[2-amino-5-cyano-6-</u> <u>(methylthio)pyrimidin-4-yl]-N-(3-{[2-</u> <u>(diethylamino)ethyl]oxy}phenyl)-L-</u> <u>alaninamide</u> <u>N-2-[2-amino-5-cyano-6-</u> <u>(methylthio)pyrimidin-4-yl]-N-(3-{[2-</u> <u>(diethylamino)ethyl]oxy}phenyl)-L-</u> <u>alaninamide</u>	
93	2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-1,2-dimethyl-N-[3-(trifluoromethyl)phenyl]hydrazinecarboxamide	
94	<u>N²-[2-amino-5-cyano-6-</u> <u>(methylthio)pyrimidin-4-yl]-N-[3-</u> <u>amino-5-(trifluoromethyl)phenyl]-L-</u> <u>alaninamide</u> <u>N-2-[2-amino-5-cyano-6-</u> <u>(methylthio)pyrimidin-4-yl]-N-[3-</u> <u>amino-5-(trifluoromethyl)phenyl]-L-</u> <u>alaninamide</u>	

Table 3

Entry	Name	Structure
95	ethyl [1-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-2-({[3-(trifluoromethyl)phenyl]amino}carbo nyl)hydrazino]acetate	
96	2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-2-methyl-N-[3-(trifluoromethyl)phenyl]hydrazinecar boxamide	
97	3,5-diamino-4,6-dimethyl-N-[3-(trifluoromethyl)phenyl]furo[2,3-b]pyridine-2-carboxamide	
98	3-amino-4,6-dimethyl-5-nitro-N-[3-(trifluoromethyl)phenyl]furo[2,3-b]pyridine-2-carboxamide	
99	<u>N²-(2-amino-5-cyano-6-hydroxypyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> N 2 (2 amino 5 cyano 6 hydroxypyrimidin 4 yl) N [3 (trifluoromethyl)phenyl] L alaninamide	
100	<u>N²-[5-cyano-2-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u> N 2 [5 cyano 2 (methylthio)pyrimidin 4 yl] N [3 (trifluoromethyl)phenyl]glycinamide	

Table 3

Entry	Name	Structure
101	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N²-(tetrahydro-2H-pyran-4-ylmethyl)-N-[3-(trifluoromethyl)phenyl]glycinamide</u> <u>N 2 [2 amino 5 cyano 6-(methylthio)pyrimidin 4 yl] N 2 -(tetrahydro 2H pyran 4 ylmethyl) N-[3-(trifluoromethyl)phenyl]glycinamide</u>	
102	<u>N²-(2-amino-5-cyano-6-{[2-(dimethylamino)ethyl]oxy}pyrimidin-4-yl)-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> <u>N 2 (2 amino 5 cyano 6 {[2-(dimethylamino)ethyl]oxy}pyrimidin 4 yl) N [3-(trifluoromethyl)phenyl] L-alaninamide</u>	
103	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N⁶-{[(1,1-dimethylethyl)oxy]carbonyl}-N-[3-(trifluoromethyl)phenyl]-L-lysinamide</u> <u>N 2 [2 amino 5 cyano 6-(methylthio)pyrimidin 4 yl] N 6 -{[(1,1 dimethylethyl)oxy]carbonyl} N [3-(trifluoromethyl)phenyl] L-lysinamide</u>	
104	2-amino-4-(methylthio)-6-(methyl{(1S)-1-[6-(trifluoromethyl)-1H-benzimidazol-2-yl]ethyl}amino)pyrimidine-5-carbonitrile	

Table 3

Entry	Name	Structure
105	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N²-[2-(tetrahydro-2H-pyran-4-yl)ethyl]-N-[3-(trifluoromethyl)phenyl]glycinamide</u> N 2 [2 amino 5 cyano 6-(methylthio)pyrimidin 4 yl] N 2 [2 (tetrahydro 2H pyran 4 yl)ethyl] N [3-(trifluoromethyl)phenyl]glycinamide	
106	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-{[2-(diethylamino)ethyl]amino}-5-(trifluoromethyl)phenyl]-L-alaninamide</u> N 2 [2 amino 5 cyano 6-(methylthio)pyrimidin 4 yl] N [3 {[2-(diethylamino)ethyl]amino} 5-(trifluoromethyl)phenyl] L-alaninamide	
107	2-amino-4-(methylthio)-6-((1S)-1-[6-(trifluoromethyl)-1H-benzimidazol-2-yl]ethyl)amino)pyrimidine-5-carbonitrile	
108	2-{2-amino-5-cyano-6-[1-(3-trifluoromethyl-phenylcarbamoyl)-1S-ethylamino]-pyrimidin-4-ylamino}-N-(3-trifluoromethyl-phenyl)-2S-propionamide	
109	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N²-methyl-N-(3-methylphenyl)glycinamide</u> N 2 [2 amino 5 cyano 6-(methylthio)pyrimidin 4 yl] N 2 -methyl N (3-methylphenyl)glycinamide	

Table 3

Entry	Name	Structure
110	<u>N</u> ² -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N ² -methyl-N-[3-(1-methylethyl)phenyl]glycinamide N 2 [2 amino 5 cyano 6-(methylthio)pyrimidin 4 yl] N 2 methyl N [3 (1-methylethyl)phenyl]glycinamide	
111	<u>N</u> ² -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N ⁵ -[imino(nitroamino)methyl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide N 2 [2 amino 5 cyano 6-(methylthio)pyrimidin 4 yl] N 5 [imino(nitroamino)methyl] N [3-(trifluoromethyl)phenyl] L ornithinamide	
112	methyl 3-(N-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-L-alanyl)amino)-5-(trifluoromethyl)benzoate	
113	<u>N</u> ² -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-(3-nitrophenyl)-L-alaninamide N 2 [2 amino 5 cyano 6-(methylthio)pyrimidin 4 yl] N (3-nitrophenyl) L alaninamide	
114	<u>N</u> ² -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-lysinamide N 2 [2 amino 5 cyano 6-(methylthio)pyrimidin 4 yl] N [3-(trifluoromethyl)phenyl] L lysinamide	

Table 3

Entry	Name	Structure
115	<u>N²-[2-amino-5-cyano-6-(propyloxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> N 2 [2 amino 5 cyano 6-(propyloxy)pyrimidin 4 yl] N [3-(trifluoromethyl)phenyl] L alaninamide	
116	<u>N²-[5-cyano-2-{[2-(methyloxy)ethyl]amino}-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> N 2 [5 cyano 2 {[2-(methyloxy)ethyl]amino} 6-(methylthio)pyrimidin 4 yl] N [3-(trifluoromethyl)phenyl] L alaninamide	
117	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-argininamide</u> N 2 [2 amino 5 cyano 6-(methylthio)pyrimidin 4 yl] N [3-(trifluoromethyl)phenyl] L argininamide	
118	<u>N²-[2-amino-5-cyano-6-(methylsulfinyl)pyrimidin-4-yl]-N²-methyl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> N 2 [2 amino 5 cyano 6-(methylsulfinyl)pyrimidin 4 yl] N 2-methyl-N [3-(trifluoromethyl)phenyl] L alaninamide	

Table 3

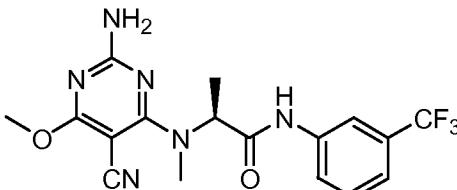
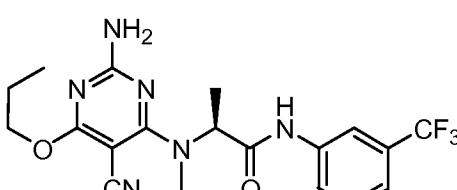
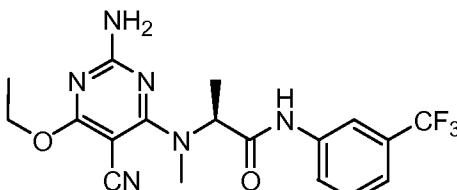
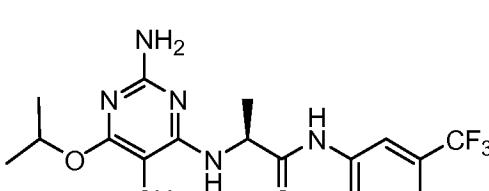
Entry	Name	Structure
119	<u>N²-[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-N²-methyl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> N²-[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-N²-methyl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide	
120	<u>N²-[2-amino-5-cyano-6-(propyloxy)pyrimidin-4-yl]-N²-methyl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> N²-[2-amino-5-cyano-6-(propyloxy)pyrimidin-4-yl]-N²-methyl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide	
121	<u>N²-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N²-methyl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> N²-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N²-methyl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide	
122	<u>N²-{2-amino-5-cyano-6-[(1-methylethyl)oxy]pyrimidin-4-yl}-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> N²-{2-amino-5-cyano-6-[(1-methylethyl)oxy]pyrimidin-4-yl}-N-[3-(trifluoromethyl)phenyl]-L-alaninamide	

Table 3

Entry	Name	Structure
123	<u>N⁵-acetyl-N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide</u> N-5-acetyl N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl] N-[3-(trifluoromethyl)phenyl]-L-ornithinamide	
124	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-(3-aminophenyl)-L-alaninamide</u> N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl] N-(3-aminophenyl) L-alaninamide	
125	3-({N-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-L-alanyl}amino)-N-[2-(dimethylamino)ethyl]-5-(trifluoromethyl)benzamide	
126	2-(methoxyethyl)ethyl ((4S)-4-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]amino}-5-oxo-5-{[3-(trifluoromethyl)phenyl]amino}pentyl)carbamate	
127	2-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]hydrazinecarboxamide	
128	1,1-dimethylethyl ((4S)-4-{[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]amino}-5-oxo-5-{[3-(trifluoromethyl)phenyl]amino}pentyl)carbamate	

Table 3

Entry	Name	Structure
129	N-2-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide	
130	3-(N-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-methyl-L-alanyl)amino)-N-[2-(dimethylamino)ethyl]-5-(trifluoromethyl)benzamide	 Chiral
131	3-(N-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-methyl-L-alanyl)amino)-N-[3-(4-methylpiperazin-1-yl)propyl]-5-(trifluoromethyl)benzamide	 Chiral
132	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N²-methyl-N-{3-[(trifluoromethyl)oxy]phenyl}-L-alaninamide</u> <u>N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-2-methyl-N-{3-[(trifluoromethyl)oxy]phenyl}-L-alaninamide</u>	 Chiral

Table 3

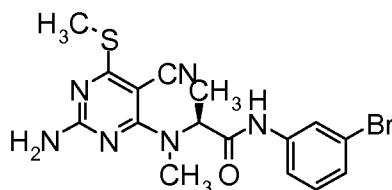
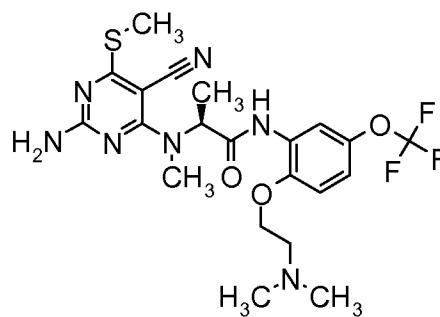
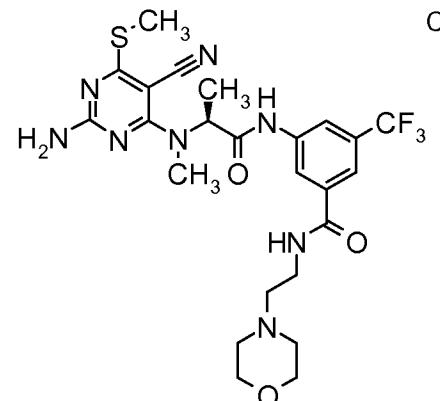
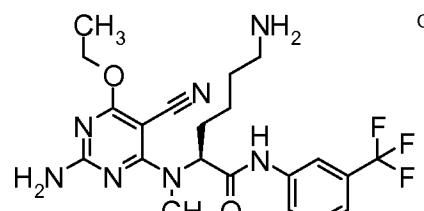
Entry	Name	Structure
133	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-(3-bromophenyl)-N²-methyl-L-alaninamide</u> <u>N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-(3-bromophenyl)-N-2-methyl-L-alaninamide</u>	 Chiral
134	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-{2-[(2-(dimethylamino)ethyl]oxy}-5-[(trifluoromethyl)oxy]phenyl}-N²-methyl-L-alaninamide</u> <u>N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-{2-[(2-(dimethylamino)ethyl]oxy}-5-[(trifluoromethyl)oxy]phenyl}-N-2-methyl-L-alaninamide</u>	 Chiral
135	3-(N-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-methyl-L-alanyl)amino)-N-(2-morpholin-4-ylethyl)-5-(trifluoromethyl)benzamide	 Chiral
136	<u>N²-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N²-methyl-N-[3-(trifluoromethyl)phenyl]-L-lysinamide</u> <u>N-2-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-2-methyl-N-[3-(trifluoromethyl)phenyl]-L-lysinamide</u>	 Chiral

Table 3

Entry	Name	Structure
137	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-{[2-(dimethylamino)ethyl]oxy}-5-(trifluoromethyl)phenyl]-L-alaninamide</u> <u>N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-{[2-(dimethylamino)ethyl]oxy}-5-(trifluoromethyl)phenyl]-L-alaninamide</u>	 Chiral
138	(2S)-2-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]amino}-3-oxo-3-{[3-(trifluoromethyl)phenyl]amino}propyl acetate	
139	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N¹-[3-(trifluoromethyl)phenyl]-L-glutamamide</u> <u>N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-1-[3-(trifluoromethyl)phenyl]-L-glutamamide</u>	
140	2-[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]hydrazinecarboxamide	
141	3-({N-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-L-alanyl}amino)-N-hydroxy-5-(trifluoromethyl)benzamide	

Table 3

Entry	Name	Structure
142	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-3-(dimethylamino)-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> <u>N-2-[2 amino 5 cyano 6-(methylthio)pyrimidin 4 yl]-3-(dimethylamino) N [3-(trifluoromethyl)phenyl] L-alaninamide</u>	<p style="text-align: right;">Chiral</p>
143	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-5-morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L-norvalinamide</u> <u>N-2-[2 amino 5 cyano 6-(methylthio)pyrimidin 4 yl]-5-morpholin 4 yl N [3-(trifluoromethyl)phenyl] L-norvalinamide</u>	<p style="text-align: right;">Chiral</p>
144	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N⁵-[2-(methoxyethyl)-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide</u> <u>N-2-[2 amino 5 cyano 6-(methylthio)pyrimidin 4 yl] N-5-[2-(methoxyethyl)-N [3-(trifluoromethyl)phenyl] L-ornithinamide</u>	<p style="text-align: right;">Chiral</p>
145	<u>3-(N-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-L-alanyl)amino-5-(trifluoromethyl)benzoic acid</u>	<p style="text-align: right;">Chiral</p>

Table 3

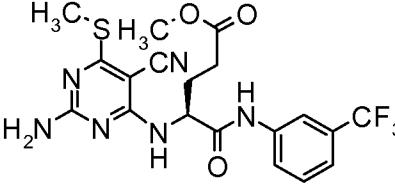
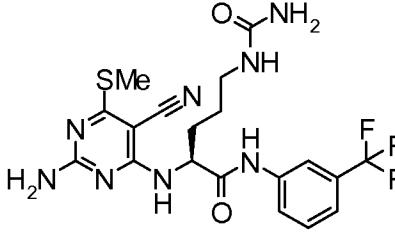
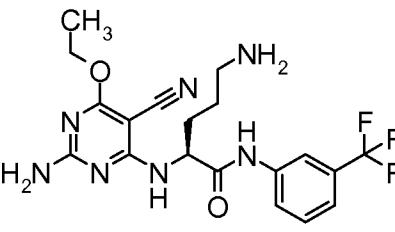
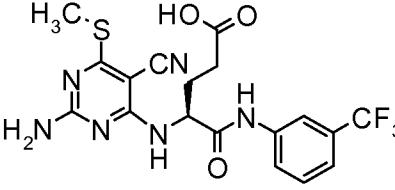
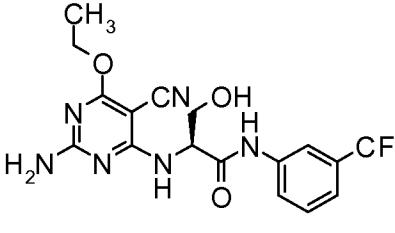
Entry	Name	Structure
146	<u>methyl N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alpha-glutamate</u> <u>methyl N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alpha-glutamate</u>	 Chiral
147	<u>N⁵-(aminocarbonyl)-N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide</u> <u>N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide</u>	 Chiral
148	<u>N²-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide</u> <u>N-2-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide</u>	 Chiral
149	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alpha-glutamine</u> <u>N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alpha-glutamine</u>	 Chiral
150	<u>N²-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-serinamide</u> <u>N-2-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-serinamide</u>	 Chiral

Table 3

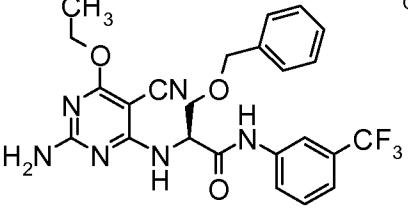
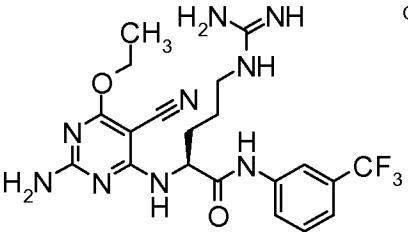
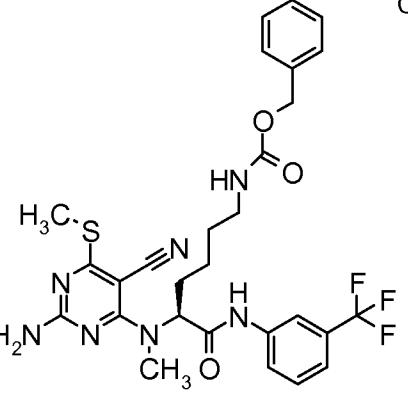
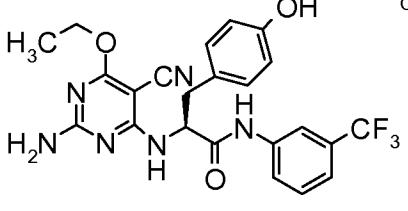
Entry	Name	Structure
151	<u>N²-[2-amino-5-cyano-6-(ethyoxy)pyrimidin-4-yl]-O-(phenylmethyl)-N-[3-(trifluoromethyl)phenyl]-L-serinamide</u> <u>N-2-[2-amino-5-cyano-6-(ethyoxy)pyrimidin-4-yl]-O-(phenylmethyl)-N-[3-(trifluoromethyl)phenyl]-L-serinamide</u>	 Chiral
152	<u>N²-[2-amino-5-cyano-6-(ethyoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-argininamide</u> <u>N-2-[2-amino-5-cyano-6-(ethyoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-argininamide</u>	 Chiral
153	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N²-methyl-N⁶-{[(phenylmethyl)oxy]carbonyl}-N-[3-(trifluoromethyl)phenyl]-L-lysinamide</u> <u>N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-2-methyl-N⁶-{[(phenylmethyl)oxy]carbonyl}-N-[3-(trifluoromethyl)phenyl]-L-lysinamide</u>	 Chiral
154	Nalpha-[2-amino-5-cyano-6-(ethyoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-tyrosinamide	 Chiral

Table 3

Entry	Name	Structure
155	<u>N⁵-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide</u> <u>N-5-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide</u>	
156	<u>N²-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N⁶,N⁶-dimethyl-N-[3-(trifluoromethyl)phenyl]-L-lysinamide</u> <u>N-2-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-6,N-6-dimethyl-N-[3-(trifluoromethyl)phenyl]-L-lysinamide</u>	
157	<u>N²-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-[3-[(4-methylpiperazin-1-yl)carbonyl]-5-(trifluoromethyl)phenyl]-L-alaninamide</u> <u>N-2-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-[3-[(4-methylpiperazin-1-yl)carbonyl]-5-(trifluoromethyl)phenyl]-L-alaninamide</u>	
158	3-(N-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-L-alanyl)amino-N-(3-pyrrolidin-1-ylpropyl)-5-(trifluoromethyl)benzamide	

Table 3

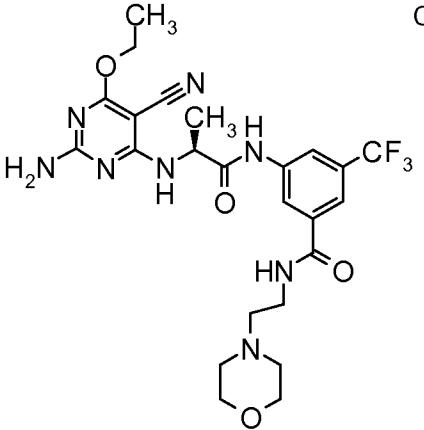
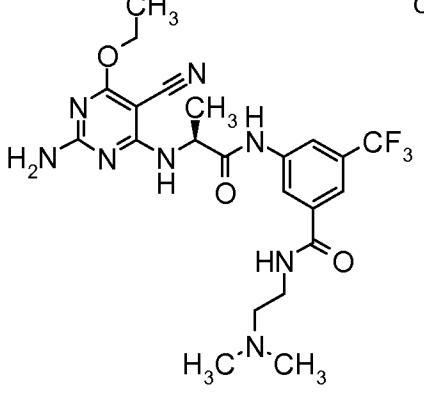
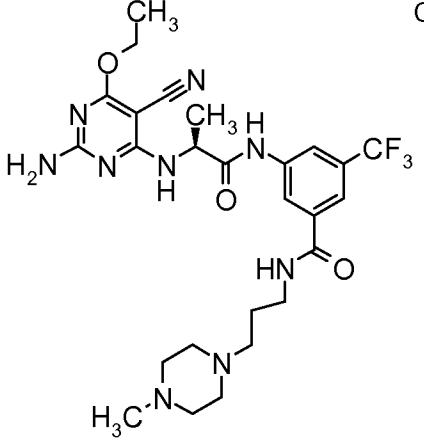
Entry	Name	Structure
159	3-(<i>{N</i> -[2-amino-5-cyano-6-(ethyoxy)pyrimidin-4-yl]-L-alanyl}amino)-N-(2-morpholin-4-ylethyl)-5-(trifluoromethyl)benzamide	 <p>Chiral</p>
160	3-(<i>{N</i> -[2-amino-5-cyano-6-(ethyoxy)pyrimidin-4-yl]-L-alanyl}amino)-N-[2-(dimethylamino)ethyl]-5-(trifluoromethyl)benzamide	 <p>Chiral</p>
161	3-(<i>{N</i> -[2-amino-5-cyano-6-(ethyoxy)pyrimidin-4-yl]-L-alanyl}amino)-N-[3-(4-methylpiperazin-1-yl)propyl]-5-(trifluoromethyl)benzamide	 <p>Chiral</p>

Table 3

Entry	Name	Structure
162	<u>N^2-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N^2-methyl-N^6-{[(phenylmethyl)oxy]carbonyl}-N-[3-(trifluoromethyl)phenyl]-L-lysinamide</u> N^2 -[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]- N^2 -methyl- N^6 -{[(phenylmethyl)oxy]carbonyl}- N -[3-(trifluoromethyl)phenyl]-L-lysinamide	 Chiral
163	1,1-dimethylethyl ((4S)-4-{[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]amino}-5-oxo-5-{[3-(trifluoromethyl)phenyl]amino}pentyl)carbamate	 Chiral
164	(2S)-2-{[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]amino}-3-oxo-3-{[3-(trifluoromethyl)phenyl]amino}propyl acetate	 Chiral
165	<u>phenylmethyl N^2-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-α-glutamate</u> <u>phenylmethyl N^2-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alpha-glutamate</u>	 Chiral

Table 3

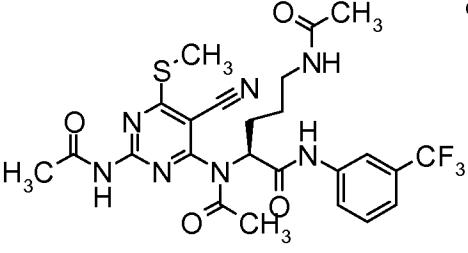
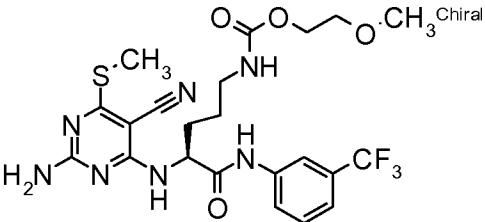
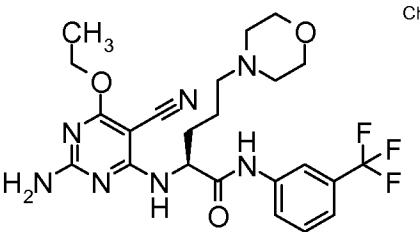
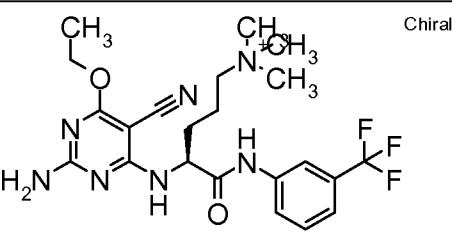
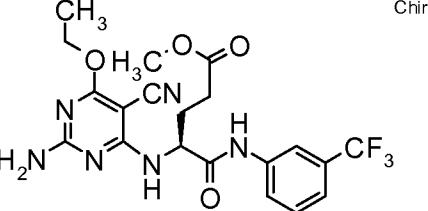
Entry	Name	Structure
166	<u>N^2,N^5-diacetyl-N^2-[2-(acetylamino)-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide</u> $\text{N}-\text{2},\text{N}-\text{5}$ -diacetyl $\text{N}-\text{2}$ -[2-(acetylamino)-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide	
167	2-(methoxyethoxy)ethyl ((4S)-4-{[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]amino}-5-oxo-5-{[3-(trifluoromethyl)phenyl]amino}pentyl)carbamate	
168	<u>N^2-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-5-morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L-norvalinamide</u> $\text{N}-\text{2}$ -[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-5-morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L-norvalinamide	
169	N-((4S)-4-{[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]amino}-5-oxo-5-{[3-(trifluoromethyl)phenyl]amino}pentyl)-N,N-dimethylmethanaminium	
170	<u>Methyl N^2-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-α-glutamate</u> <u>Methyl $\text{N}-\text{2}$-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alpha-glutamate</u>	

Table 3

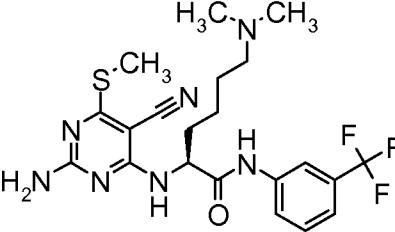
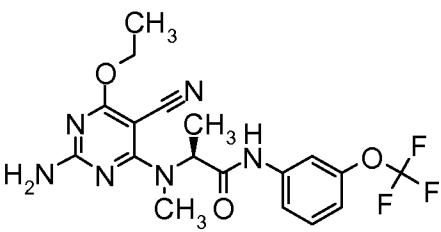
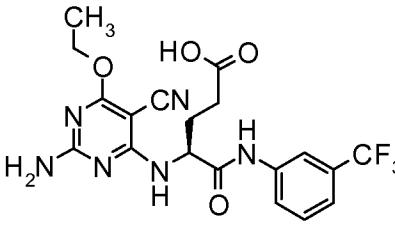
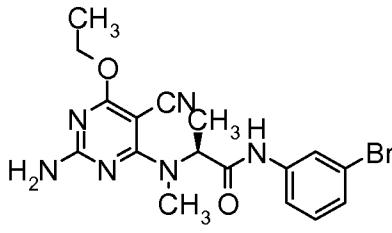
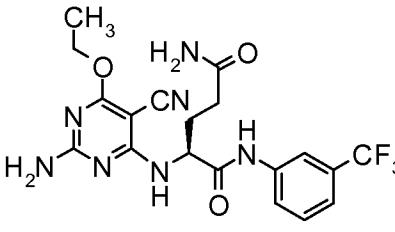
Entry	Name	Structure
171	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N⁶,N⁶-dimethyl-N-[3-(trifluoromethyl)phenyl]-L-lysinamide</u> <u>N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-6,N-6-dimethyl-N-[3-(trifluoromethyl)phenyl]-L-lysinamide</u>	 <p>Chiral</p>
172	<u>N²-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N²-methyl-N-{3-[(trifluoromethyl)oxy]phenyl}-L-alaninamide</u> <u>N-2-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-2-methyl-N-{3-[(trifluoromethyl)oxy]phenyl}-L-alaninamide</u>	 <p>Chiral</p>
173	<u>N²-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-α-glutamine</u> <u>N-2-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alpha-glutamine</u>	 <p>Chiral</p>
174	<u>N²-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-(3-bromophenyl)-N²-methyl-L-alaninamide</u> <u>N-2-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-(3-bromophenyl)-N-2-methyl-L-alaninamide</u>	 <p>Chiral</p>
175	<u>N²-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N¹-[3-(trifluoromethyl)phenyl]-L-glutamamide</u> <u>N-2-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-N-1-[3-(trifluoromethyl)phenyl]-L-glutamamide</u>	 <p>Chiral</p>

Table 3

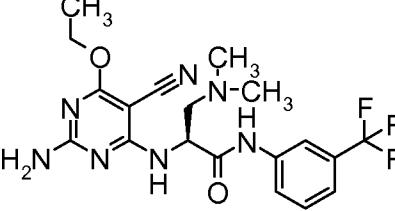
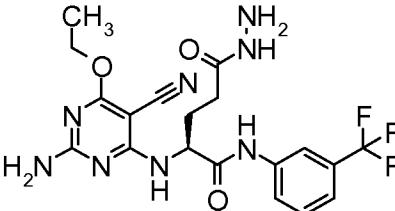
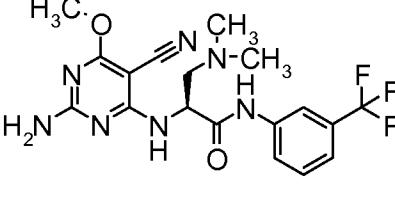
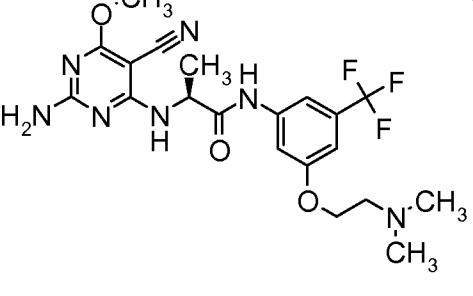
Entry	Name	Structure
176	<u>N^2-[2-amino-5-cyano-6-(ethoxy)pyrimidin-4-yl]-3-(dimethylamino)-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> <u>N-2-[2 amino 5 cyano 6-(ethoxy)pyrimidin 4 yl]-3-(dimethylamino) N [3-(trifluoromethyl)phenyl] L-alaninamide</u>	 Chiral
177	<u>2-(2-amino-5-cyano-6-ethoxypyrimidin-4-ylamino)-5-hydrazinyl-5-oxo-N-(3-(trifluoromethyl)phenyl)pentanamide</u> <u>Structure possibly contains amino acid derivative which is not supported in current version!</u>	 Chiral
178	<u>N^2-[2-amino-5-cyano-6-(methoxy)pyrimidin-4-yl]-3-(dimethylamino)-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> <u>N-2-[2 amino 5 cyano 6-(methoxy)pyrimidin 4 yl]-3-(dimethylamino) N [3-(trifluoromethyl)phenyl] L-alaninamide</u>	 Chiral
179	<u>N^2-[2-amino-5-cyano-6-(methoxy)pyrimidin-4-yl]-N-[3-{[2-(dimethylamino)ethyl]oxy}-5-(trifluoromethyl)phenyl]-L-alaninamide</u> <u>N-2-[2 amino 5 cyano 6-(methoxy)pyrimidin 4 yl]-N-[3-{[2-(dimethylamino)ethyl]oxy}-5-(trifluoromethyl)phenyl] L-alaninamide</u>	 Chiral

Table 3

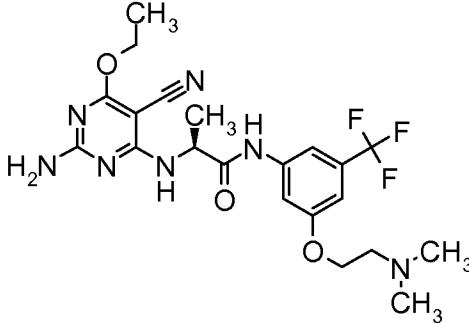
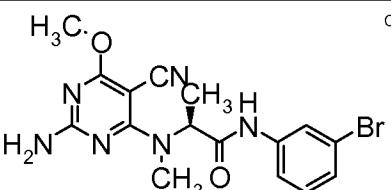
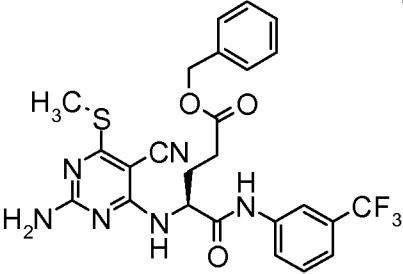
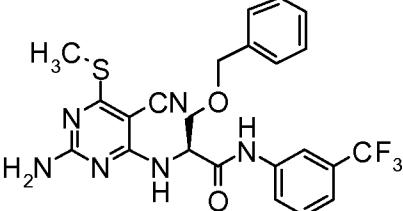
Entry	Name	Structure
180	<u>N^2-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3-{[2-(dimethylamino)ethyl]oxy}-5-(trifluoromethyl)phenyl]-L-alaninamide</u> <u>N-2-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3-{[2-(dimethylamino)ethyl]oxy}-5-(trifluoromethyl)phenyl]-L-alaninamide</u>	 Chiral
181	<u>N^2-[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-N-(3-bromophenyl)-N²-methyl-L-alaninamide</u> <u>N-2-[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-N-(3-bromophenyl)-N²-methyl-L-alaninamide</u>	 Chiral
182	<u>phenylmethyl N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-α-glutamate</u> <u>phenylmethyl N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-alpha-glutamate</u>	 Chiral
183	<u>N^2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-O-(phenylmethyl)-N-[3-(trifluoromethyl)phenyl]-L-serinamide</u> <u>N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-O-(phenylmethyl)-N-[3-(trifluoromethyl)phenyl]-L-serinamide</u>	 Chiral

Table 3

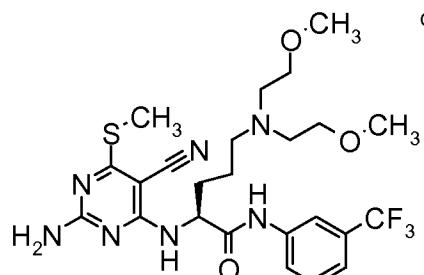
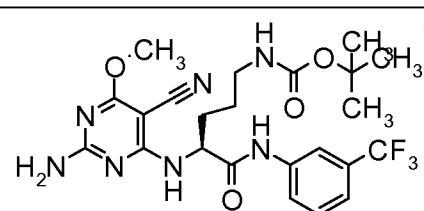
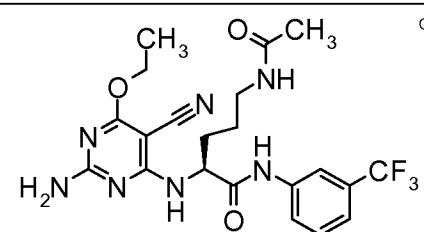
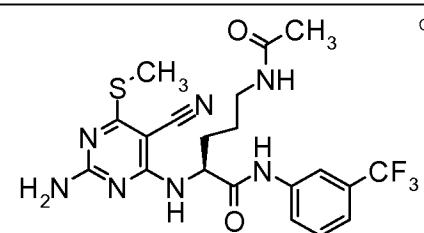
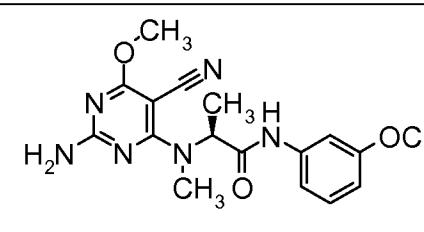
Entry	Name	Structure
184	<u>N</u> ² -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N ⁵ ,N ⁵ -bis[2-(methyloxy)ethyl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide <u>N</u> -2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N ⁵ ,N ⁵ -bis[2-(methyloxy)ethyl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide	 Chiral
185	1,1-dimethylethyl ((4S)-4-{[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]amino}-5-oxo-5-{[3-(trifluoromethyl)phenyl]amino}pentyl)carbamate	 Chiral
186	<u>N</u> ⁵ -acetyl-N ² -[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide <u>N</u> -5-acetyl- <u>N</u> -2-[2-amino-5-cyano-6-(ethyloxy)pyrimidin-4-yl]- <u>N</u> [3-(trifluoromethyl)phenyl]-L-ornithinamide	 Chiral
187	<u>N</u> ⁵ -acetyl-N ² -[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide <u>N</u> -5-acetyl- <u>N</u> -2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]- <u>N</u> [3-(trifluoromethyl)phenyl]-L-ornithinamide	 Chiral
188	<u>N</u> ² -[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-N ² -methyl-N-[3-(trifluoromethyl)oxyphenyl]-L-alaninamide <u>N</u> -2-[2-amino-5-cyano-6-(methyloxy)pyrimidin-4-yl]-N-2-methyl-N-[3-(trifluoromethyl)oxyphenyl]-L-alaninamide	

Table 3

Entry	Name	Structure
189	methyl 3-(<i>{N</i> -[2-amino-5-cyano-6-(methoxy)pyrimidin-4-yl]-L-alanyl}amino)-5-(trifluoromethyl)benzoate	
190	3-(<i>{N</i> -[2-amino-5-cyano-6-(methoxy)pyrimidin-4-yl]-L-alanyl}amino)-N-[2-(dimethylamino)ethyl]-5-(trifluoromethyl)benzamide	
191	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-3-morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> <u>N-2-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-3-morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u>	
192	<u>N²-[2-amino-5-cyano-6-(methoxy)pyrimidin-4-yl]-3-morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> <u>N-2-[2-amino-5-cyano-6-(methoxy)pyrimidin-4-yl]-3-morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u>	

Table 3

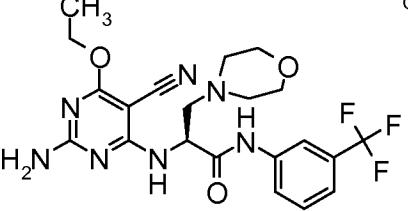
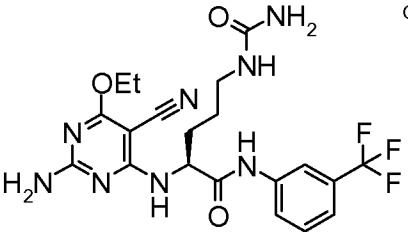
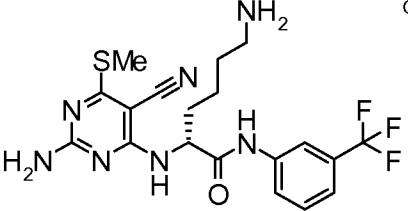
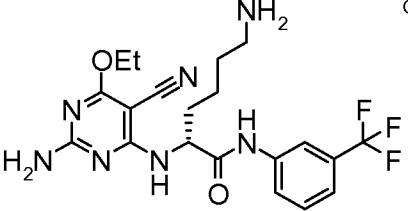
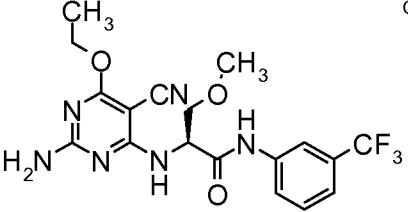
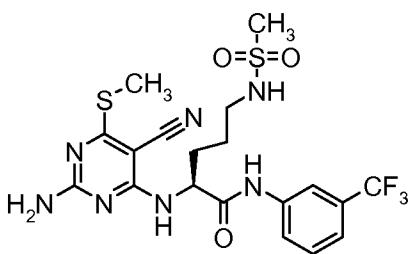
Entry	Name	Structure
193	<u>N²-[2-amino-5-cyano-6-(ethyoxy)pyrimidin-4-yl]-3-morpholin-4-yl-N-[3-(trifluoromethyl)phenyl]-L-alaninamide</u> <u>N-2-[2 amino 5 cyano 6-(ethyoxy)pyrimidin 4 yl]-3-morpholin 4 yl N [3-(trifluoromethyl)phenyl] L-alaninamide</u>	 Chiral
194	<u>N⁵-(aminocarbonyl)-N²-[2-amino-5-cyano-6-(ethyoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide</u> <u>N-5-(aminocarbonyl) N-2-[2 amino 5 cyano 6-(ethyoxy)pyrimidin 4 yl]-N [3-(trifluoromethyl)phenyl] L-ornithinamide</u>	 Chiral
195	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-D-lysinamide</u> <u>N-2-[2 amino 5 cyano 6-(methylthio)pyrimidin 4 yl]-N [3-(trifluoromethyl)phenyl] D-lysinamide</u>	 Chiral
196	<u>N²-[2-amino-5-cyano-6-(ethyoxy)pyrimidin-4-yl]-N-[3-(trifluoromethyl)phenyl]-D-lysinamide</u> <u>N-2-[2 amino 5 cyano 6-(ethyoxy)pyrimidin 4 yl]-N [3-(trifluoromethyl)phenyl] D-lysinamide</u>	 Chiral
197	<u>N²-[2-amino-5-cyano-6-(ethyoxy)pyrimidin-4-yl]-O-methyl-N-[3-(trifluoromethyl)phenyl]-L-serinamide</u> <u>N-2-[2 amino 5 cyano 6-(ethyoxy)pyrimidin 4 yl]-O-methyl N [3-(trifluoromethyl)phenyl] L-serinamide</u>	 Chiral

Table 3

Entry	Name	Structure
198	<u>N²-[2-amino-5-cyano-6-(methylthio)pyrimidin-4-yl]-N⁵-(methylsulfonyl)-N-[3-(trifluoromethyl)phenyl]-L-ornithinamide</u> <u>N-2-[2 amino 5 cyano 6-(methylthio)pyrimidin 4 yl] N-5-(methylsulfonyl) N [3-(trifluoromethyl)phenyl] L-ornithinamide</u>	 <p style="text-align: right;">Chiral</p>

35. (previously presented) A pharmaceutical composition comprising the compound according to claim 1 and a pharmaceutically acceptable carrier.

36. (previously presented) A metabolite of the compound or the pharmaceutical composition according to claim 1.

37. (previously presented) A method of modulating the *in vivo* activity of a kinase, the method comprising administering to a subject an effective amount of a composition comprising a compound according to claim 1 and/or a compound explicitly provided against in claim 1 .

38. (original) The method according to claim 37, wherein the kinase is p70S6K.

39. (original) The method according to claim 38, wherein modulating the *in vivo* activity of p70S6K comprises inhibition of p70S6K.

40. (previously presented) A method of treating diseases or disorders associated with uncontrolled, abnormal, and/or unwanted cellular activities, the method comprising administering, to a mammal in need thereof, a therapeutically effective amount of a composition comprising a compound according to claim 1 and/or a compound explicitly provided against in claim 1.

41. (previously presented) A method of screening for modulator of a p70S6 kinase, the method comprising combining either a compound according to claim 1 or a compound explicitly provided against in claim 1, and at least one candidate agent and determining the effect of the candidate agent on the activity of said kinase.

42. (previously presented) A method of inhibiting proliferative activity in a cell, the method comprising administering an effective amount of: the compound according to claim 1 and/or a compound explicitly provided against in claim 1.

43. (previously presented) A method of inhibiting abnormal metabolic activity in a cell, the method comprising administering an effective amount of: the compound according to claim 1 and/or a compound explicitly provided against in claim 1.